

James Rodger Fleming

Science, Technology, and Society Program
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CURRENT AFFILIATION

Professor and Director of Science, Technology, and Society, Colby College

EDUCATION

Princeton University, Ph.D. History, 1988; M.A. History, 1984
Colorado State University, M.S. Atmospheric Science, 1973
Pennsylvania State University, B.S. Astronomy, 1971

ACADEMIC HONORS

Fellow, American Association for the Advancement of Science
Fellow, American Meteorological Society
H. Burr Steinbach Visiting Scholar, MIT/Woods Hole Oceanographic Institute, 2011
Gordon Cain Conference Fellow, Chemical Heritage Foundation, 2010-11
Keynote Speaker, Royal Meteorological Society 150th Anniversary Meeting, 2011
Keynote Speaker, Maine Congress of Lake Associations, 2011
Public Policy Scholar, Woodrow Wilson International Center for Scholars, 2006-07
Roger Revelle Fellowship in Global Stewardship, AAAS, 2006-07
Visiting Scholar, National Academy of Sciences, 2006-07
Charles A. Lindbergh Chair in Aerospace History, National Air and Space Museum, 2005-06
NSF Scholar's Award, "Carbon Dioxide Theory of Climate Change," 2001-05
Visiting Scholar, Dept. of the History of Science, Harvard University, 1999-2000
Visiting Scholar, STS Program, Massachusetts Institute of Technology, 1992-94

EDITORSHIPS

Palgrave Studies in the History of Science and Technology, series editor
New Dictionary of Scientific Biography, Scribner's, associate editor
Wiley Interdisciplinary Reviews on Climate Change, editor for history, society, culture

BIOGRAPHICAL

Who's Who in America, Contemporary Authors, Dictionary of International Biography

BOOKS – Author's Amazon Home Page, <http://amzn.to/pKFzbn>

Fixing the Sky: The Checkered History of Weather and Climate Control. New York: Columbia University Press, 2010. Winner of the 2011 Sally Hacker Prize from the Society for the History of Technology and the 2011 Louis J. Battan Author's Award from the American Meteorological Society. E-book and Japanese translation, 2011.
The Callendar Effect. Boston: AMS Books, 2007. Winner of the 2007 ASLI Choice Award for History.
Historical Perspectives on Climate Change. New York: Oxford University Press, 1998.
Meteorology in America, 1800-1870. Baltimore: Johns Hopkins University Press, 1990.

EDITIONS

Toxic Airs: Chemical and Environmental Histories of the Atmosphere, James Rodger Fleming and Ann Johnson, ed. University of Pittsburgh Press, forthcoming.
Osiris vol. 26 (2011), *Klima*. James Rodger Fleming and Vladimir Jankovic, ed.
Globalizing Polar Science: Reconsidering the International Polar and Geophysical Years. Roger D. Launius, James Rodger Fleming, and David H. DeVorkin, ed. New York: Palgrave, 2010.
Climate Change and Anthropogenic Greenhouse Warming: A selection of key articles, 1824-1995, with interpretive essays. National Science Foundation Digital Library, 2008.

- Intimate Universality: Local and Global Themes in the History of Weather and Climate.* James Rodger Fleming, Vladimir Jankovic, and Deborah R. Coen, ed. Science History Publications/USA, 2006.
- The Papers of Guy Stewart Callendar*, digital edition. James Rodger Fleming and Jason Thomas Fleming, ed. Boston: AMS Books, 2007.
- Weathering the Storm: Sverre Petterssen, the D-Day Forecast and the Rise of Modern Meteorology.* Boston: AMS Books, 2001.
- Historical Essays on Meteorology, 1919-1995.* Boston: AMS Books, 1996.
- Science, Technology and the Environment: Multidisciplinary Perspectives.* James Rodger Fleming and Henry A. Gemery, ed. Akron: University of Akron Press, 1994.
- International Bibliography of Meteorology: From the Beginning of Printing to 1889.* 4 vols. In one. James Rodger Fleming and Roy E. Goodman, ed. Upland, Pa.: Diane, 1994.
- Guide to Historical Resources in the Atmospheric Sciences.* Boulder: National Center for Atmospheric Research, 1989. Revised edition, 1997.

RECENT PEER-REVIEWED ARTICLES

- “Iowa Enters the Space Age: James Van Allen, Earth’s Radiation Belts, and Experiments to Disrupt Them,” *Annals of Iowa* 70 (Fall 2011), 301-24; available at America: History & Life.
- “Beyond prediction to climate modeling and climate control: New perspectives from the papers of Harry Wexler, 1945-1962.” In Leo Donner, Wayne Schubert, Richard Somerville, eds., *The Development of Atmospheric General Circulation Models*, 51-75. Cambridge University Press, 2011.
- “Planetary-scale Field Work: Harry Wexler on the possibilities of ozone depletion and climate control.” In Jeremy Vetter, ed., *Knowing Global Environments: New historical perspectives on the field sciences and the multiple scales of nature*, 190-211. New Brunswick: Rutgers University Press, 2010.
- “Earth Observations from Space: Accomplishments, challenges, and realities.” In Steven J. Dick, ed. *NASA’s First 50 Years: An Historical Perspective*, 543-562. Washington, DC: NASA History Office, 2010.
- “The Climate Engineers,” *Wilson Quarterly* (Spring 2007): 46-60.
- “The Pathological History of Weather and Climate Modification: Three cycles of promise and hype,” *Historical Studies in the Physical Sciences* 37, no. 1 (2006): 3-25.

RECENT CONFERENCES CONVENED

- Gordon Cain Conference on the history of atmospheric chemistry at the Chemical Heritage Foundation in Philadelphia, PA, March 31-April 1, 2011
- Climate and Cultural Anxiety: Historical Perspectives. April 1-4, 2009 at Colby with NSF support

RECENT INVITED LECTURES (2009-12 VENUES ONLY)

- U.S. House Committee on Science and Technology; AAAS; Amer. Assoc. Aerosol Research; Chemical Heritage Foundation; Linda Hall Library; NASA 50th Anniversary; NASA Goddard; *Universities*: Aarhus, Bergen, Colorado State, Georgia Tech, Grinnell, Illinois, Kansas, McGill, Maine, Manchester, MIT, Nottingham, Oregon, Oregon State, Oslo, Royal Institute of Technology (Stockholm), UC Santa Cruz

CURRENT AND RECENT SERVICE TO THE DISCIPLINE

- American Geophysical Union, History Committee
- American Institute of Physics, Advisory Committee on History of Physics
- American Meteorological Society, History Committee and historical monographs editor
- AAAS Section L Chair, History and Philosophy of Science, 2005-07
- Intergovernmental Panel on Climate Change, Invited Contributing Author, 2007
- International Commission on History of Meteorology, Founder and First President

RECENT MEDIA COVERAGE

- Scientific American*, *Boston Globe*, *Der Spiegel*, *Slate*, *Wall Street Journal*, National Public Radio, Australian Broadcasting Corporation, Canadian Public Radio, Netherlands Public Radio, WOR Radio, News Talk Radio Ireland, News Hour with Jim Lehrer, Progressive Radio Network, NSF Research Channel, The Weather Channel, BBC, 4th Row Films, Wilson Center dialogue